

STEFAN, Ivo, ing.

Reducing permeability of oil and gas-bearing rocks during the drilling process, and determination of the extent of these reductions. Nafta Jug 15 no.1/2:21-25 Ju-F '64

1. Faculty of Technology, University of Zagreb.

STEINER J.

CZECHOSLOVAKIA

STEINER, J., DVM.

Tachov

Prague, Veterinarstvi, No 4, 1963, pp 180-181

"How OVZ Tachov Organizes Distribution of Medicines."

VERNER, M.; BIRCAK, J.; STEINER, J.

Some psychological problems of adolescents. Cesk. pediat. 17 no.7/8:  
638-641 Ag '62.

1. I. detska klinika Lekarskej fakulty Univerzity Komenskeho v  
Bratislave, prednosta doc. dr. I. Jakubcova.  
(ADOLESCENCE) (CHILD PSYCHOLOGY)

BIRCAK, J.; NIKS, M.; HULIN, I.; STEINER, J.; technicka spoluprace KOLISAROVA, V.

Functional capacity of the cardiopulmonary system in adolescents.  
Bratisl. Lek. Listy 42 no.2:671-682 '62.

1. Z I. detskej kliniky Lek. fak. Univ. Komenskeho v Bratislave, veduca  
doc. MUDr. I. Jakubcova, a z Ustavu experimentalnej patologic Lek. fak.  
Univ. Komenskeho v Bratislave, veduci doc. MUDr. E. Barta, C.Sc.  
(SPIROMETRY in adolescence)

BIRCAK, J.; NIKS, M.; HULIN, I.; STEINER, J.; technicka spolupraca KOLESAROVA, V.

Functional capacity of the cardiopulmonary system in adolescence.

II. Evaluation of the mechanism of ventilation by the method of detailed expiration. Bratisl. Lek. Listy 43 no.2:65-76 '62.

1. Z I. detskej kliniky Lek. fak. Univ. Komenského v Bratislave,  
veduca doc. MUDr. I. Jakubcova, a z Ustavu experimentalnej patologic  
Lek. fak. Univ. Komenského v Bratislave, veduci doc. MUDr. E. Barta,  
C. Sc.

(RESPIRATION physiol) (ADOLESCENCE)

BIRCAK,J.; NIKS,M.; STEINER,J.; HULIN,I.; technicka spolupraca:KOLESAROVA,V.

Functional capacity of the cardiopulmonary system in adolescence. III. Effect of work stress on some basic indices of blood circulatory efficiency. Bratisl.lek.listy 2 no.9: 541-558 '63.

1. Katedra pediatrie I. Lek. fak. Univ.Komenskeho v Bratislave (veduca: prof. MUDr. I.Jakubcova) a Oddelenie klinickej patofyziologie pri katedre experimentalnej patologie a farmakologie (veduci katedry: doc. MUDr. E.Barta, C.Sc.).

\*

STEINER, J.; VANZUROVA, E.

Primary fibroelastosis of the ~~endocardium~~ in a 10-year-old girl. Bratisl. lek. listy 43 Pt. 1 no.5:288-293 '63.

I. I detska klinika Lek. fak. Univ. Komenskeho v Bratislave,  
veduca doc. MUDr. I. Jakubcova.

(ENDOCARDIAL FIBROELASTOSIS)

(HEART FAILURE, CONGESTIVE)

(CHILD)

BIRCAK, J. ; MIKS, M. ; STEINER, J. ; HULIN, I. ; RIECANSKY, I. ; Tech spolupr. KOLESAROVA, V.

Functional efficiency of the cardiopulmonary system during  
the period of adolescence. IV. Relation of physical per-  
formance to somatic indices. Bratisl. lek. listy 2  
no. 11:637-648 1963.

1. Katedra pediatrie I. Lek. fak. Univ. Komenského v Bratislave;  
(vedouca: doc. MUDr. I. Jakubcová) a Oddelenie klinickej pato-  
fyziológie pri Katedre experimentálnej patológie a farmako-  
logie, Lek. fak. Univ. Komenského v Bratislave (vedouci katedry:  
doc. MUDr. E. Barta, C.Sc.).

★



STEINER, J.; FORMANEK, G.; MESKO, Z.; FISCHOVA, A.; CERNY, J.

The "scimitar syndrome" -- right-sided partial subdiaphragmatic transposition of the pulmonary veins. Cesk. pediat. 20 no.8: 689-692 Ag '65.

I. I. detska klinika (prednostka prof. dr. I. Jakubcova) a katedra chirurgie detskeho veku (veduci prof. dr. M. Kratochvil, DrSc.) Lekarskej fakulty Univerzity Komenskeho v Bratislave.

FISCHOVA, A.; STEINER, J.; BIRCAK, J.; LICKO, T.

Renovascular hypertension in a 10-year-old child. Bratisl. lek.  
listy 45 no.8:510-513 31 0 '65.

1. Katedra pediatrie I Lekarske fakulty Univerzity Komenskeho  
v Bratislave (veduca prof. MUDr. I. Jakubcova) a II. chirurgicka  
klinika Lekarske fakulty Univerzity Komenskeho v Bratislave  
(veduci akademik K. Siska).

STEINER, Jozsef.

Pressing powder. Jozsef Steiner (to Klotild Elso Magyar Vegyipar és Acetic Vegyiművek Egyesített R.T.). Hung. 135,077, Oct. 1, 1948. Urea and/or thiourea is condensed in a cold state in neutral or slightly acid medium with at least as much HCHO as is necessary to form the bis(hydroxymethyl) compd., then once more urea or thiourea is added in amts. desired for the quant. resinification of the formaldehyde present and of the amts. of formaldehyde which will be formed during the condensation process, treated in presence of an acid catalyst, mixed with a filling mass, dried, and ground to flour. The acid esters of adipic acid, sebacic acid, succinic acid, or resin acid or multibasic org. acids alone or combined are available as catalysts. The ratio urea to HCHO should be about 1.0 to 1.75 mol. in the end product. Urea 100 kg. is dissolved in 250 l. 40% HCHO; 3 kg. 25% ammonia and 0.25 kg. triethylenetetramine are added and allowed to stand for 24 hrs. Then 14 to 17 kg. urea and 0.08 to 0.25 kg. of an alc. soln. of a to be acid is mixed with the liquid; then 165 kg. finely ground cotton waste is kneaded into the mass for 10 min. and fine bands, dried for 3-5 hrs. at temp. 100°C, are finally ground.

STEINER, K.

Survey of hygienic knowledge of enlisted personnel. Voj.zdrav.  
listy 19 no.1-2:20-22 Ja-F '50. (CML 19:2)

Steiner, Karoly

PAPP, Andras, dr.; STEINER, Karoly, dr.; KORANYI, Sandor, dr.

On a course of training for technicians. Tuberk. kerdesei 7  
no.5:77-79 Oct 54.

1. Az Allami Fodor Jozsef Tbc. Gyogyintezete (igazgato foorvos:  
Risko Tibor dr.) es a budapesti tbc. gondointezettek (kosponti  
igazgato: Szakkay Antal dr.) VIII. ker. Gondintezetenek kozlemenye.  
(TUBERCULOSIS, educ.  
in nurses's train. curriculum)

HORLAY, Bela, dr.,; SIMON, Emil, dr.,; STEINER, Karoly, dr.

Paralysis of the bronchial system. Orv. hetil. 96 no.37:1030-1032  
11 Sept 55.

1. A Fovarosí Janos Korhaz Broncologiai Tudosztalya es a Szolnoki  
Tudobeteggyogyintezetenek kozl.  
(PARALYSIS,  
bronchi)

STEINER, K.

STEINER, Karoly

Pulmonary actinomycosis; casuistics. Tuberkulozis 10 no.5-6:135-137  
May-June 57.

1. A Janos Korhaz Bronchologiai Tudosztalyanak Kozlensege.  
(ACTINOMYCOSIS, case reports  
lung, primary infiltrative (Hun))  
(LUNG DISEASES, case reports  
actinomycosis, primary infiltrative (Hun))

CZECHOSLOVAKIA

STEINER, L; STANDART, G

Institute of Chemical Process Fundamentals, Czechoslovak Academy of Sciences, Prague-Suchdol - (for both; Standart now at Department of Chemical Engineering, Institute of Chemical Technology, Prague)

Prague, Collection of Czechoslovak Chemical Communications, No 1, January 1967, pp 89-100

"Studies on distillation. Part 15: Liquid holdup on plates without downcomers."



CZECHOSLOVAKIA

STEINER, L; STANDART, G

Institute of Chemical Process Fundamentals, Czechoslovak Academy of Sciences, Prague-Suchbát - (for both; Standart now wholly at Department of Chemical Engineering, Institute of Chemical Technology, Prague)

Prague, Collection of Czechoslovak Chemical Communications, No 1, January 1967, 101-116

"Studies on distillation. Part 16: Pressure drops across plates without downcomers."

STEINER, Ladislav

New technology in pasting PVC floor coverings. Poz stavby  
ll no. 6: 321-322 '63.

1. Vyzkumny ustav stavebni Gottwaldov.

LHOTAK, Jaromir, MUDr.; MARSALEK, Eduard, MUDr.; REJLEK, Jaroslav;  
STEINER, M.

Tetanus consecutive to nasal foreign body. Cesk. otolar.  
5 no.3:182-184 May 56.

1. Z detskeho a z usniho oddeleni OUNZ v Jicine, z KHES v  
Hradci Kralove.

(NASAL CAVITY, foreign bodies,  
causing tetanus (Cz))

(FOREIGN BODIES,

nasal cavity, causing tetanus (Cz))

(TETANUS, etiology and pathogenesis,  
for. body in nasal cavity (Cz))

DUMA, M.; STEINER, M.; NEGREANU, D.; VILCOV, L.; DUMITRESCU, M.; NEAGU, V.

Complex telemechanical system for short distance dispersed objects,  
with application to oil derricks. Probleme automatiz 4:69-77 '63.

SOLTA, V.; BARTAK, P.; STEINER, M.

Biological evaluation of the mouse experiment in lupus erythematosus according to Arutjunov, Vanjberg, and Zukovska. Cesk. dermat. 40 no.3:205-206 My'65.

1. Dermato-venerologicka klinika (prednosta: prof. dr. B. Janousek),  
Katedra mikrobiologie (vedouci: dr. O. Vejhora), lekarske fakulty  
Karlovy University v Hradci Kralove.

15018

R/011/62/006/006/002/004  
A065/A126

12-5600

AUTHORS: Duma, Mario, Vilcov, Lavinia, Steiner, Matel

TITLE: Selection methods used in the remote control of systems for scattered units

PERIODICAL: Automatica și electronica; no. 6, 1962, 239 - 242

TEXT: The main problems of the use of a selection based on frequency separation, as a main method of frequency separation in remote control systems for scattered units, were studied by the authors and others earlier. The continuation of these investigations has led to the development of some improved selection procedures, by combining the different methods of signal separation. Thus, the AF-311 remote control system for scattered units, i.e., operative oil wells, could be developed. The main objectives in the improvement of the selection methods consisted of: increase of the capacity of the remote control system; reduction of the number of conduits in each transmission line; development of the reliability of the device for an increase of the application possibilities; and, increase of the simplicity and safety of the device. Presented are then some

Card 1/2

Selection methods used in the remote control of ....

R/011/62/006/006/002/004  
A065/A126

technical solutions worked out for the achievement of selection in the AF-311 system. The remote control, after having selected the controlled unit, is accomplished at the controlling unit by unique signals for all controlled units. The remote control signals are short d-c impulses. The main information is divided into two signal groups: warning signals and normal state signals. The warning signals are transmitted at every change of state, while the normal state signals at every selection of the controlled unit. Both signals last only for 1 sec and are separated by polarity. However, the warning signals exceed by amplitude and duration every other signal appearing in the same circuit. The two main signals do not eliminate the possibility of other signals referring to various parameters and elements.

Card 2/2

STEINER, Miroszlav [Steiner, Miroslav], a muszaki tudomanyok kandidatusa  
(Praga)

Determination of the optimal axle pressure of four-wheeled  
motor vehicles with rigid axles. Kozl tud sz 14 no. 6:  
263-270 Je '64.



STEINER, Mirosław, inż., kandydat nauk technicznych; CICHOWSKI, Andrzej,  
~~mgr inż.~~ [translator]

Evaluation of the riding comfort in automobiles. Techn  
motor 13 no.8:245-251 Ag'63.

1. Vyzkumny Ustav Dopravni, Praha, CSSR.

STEINER, O.

STEINER, O. Electrification of threshing in the field. p. 312.

Vol. 6, no. 7, July 1956

ENERGETIKA

TECHNOLOGY

Czechoslovakia

So: East European Accession, Vol. 6, No. 5, May 1957

STEINER, O.

Prospects for the electrification of agriculture with special attention to animal production.

P. 332. (ENERGETIKA.) (Praha, Czechoslovakia) Vol. 7, No. 6, June 1957

SO: Monthly Index of East European Accession (EEAI) LC. Vol. 7, No. 5, May 1958

STEINFELD, O. (Budapest)

The unilinear unregulated, that is, non-prime rings. Acta  
math Szeged 22 no.1/2:82-84 '61.

Certain ideal theoretical questions as reflected in the theory  
of association. Acta math Szeged 22 no.1/2:136-149 '61.

1. Submitted September 24, 1960.

STEINFELD, O. (Budapest)

Semirings with multiplicative abbreviation rule. Acta math  
Szeged 24 no.3/4:190-195 '63.

1. Submitted September 8, 1962.

MIKOLAS, Milos, inz.; CUPRUNOV, Vladimir, inz.; STEINER, Oldrich,  
inz.

Characteristic features of the power economy in Czechoslovakia.  
Energetika Cz 14 no. 4: 153-157 Ap '64.

1. Central Administration of Power Engineering, Prague.

MIKOLAS, Milos, inz.; STEINER, Oldrich, inz.

Ways of increasing the effectiveness of power economy in  
Czechoslovakia. Energetika Cz 14 no.6:274-277 Je '64

1. Central Administration of Power Engineering, Prague.

STEINER, P.

New treatment of peripheral vascular disturbances. Bratisl.  
lek. listy 30 no. 3:247-260 Mar 1950. (CJML 20:1)



STEINER, Pavel, MUDr; FIZELY, Jan, MUDr; MARTIN.

Effect of anesthesia on bronchogenic dissemination on pulmonary tuberculosis. Cas.lek.cesk. 91 no.39:1121-1122 26 Sept 52.

(TUBERCULOSIS, PULMONARY, surgery.

anesth., eff. on bronchogenic dissemination)

(ANESTHESIA, effects,

on tuberc., pulm., bronchogenic dissemination)

STEINER, REEXCERPTA MEDICA Sec 9 Vol. 9/10 Surgery Oct 55

5197. ŠTEINER P.\* Rekonstrukcia prednej steny hrudníka. Reconstruction of the anterior of the thoracic wall ROZHL. CHIR. 1954, 33/10 (518-520) Illus. 2

Report of 2 cases operated upon. In the first an extensive defect following extirpation of relapsing malignant tumour of the front wall of the chest was successfully repaired by a free graft of fascia lata covered by m. latissimus dorsi. In the second, a post-traumatic pulmonary hernia, the defect was only covered by a free graft of fascia lata.

Adámek - Náchod

STEINER, P.

Surgery of aortic aneurysm. Bratisl. lek. listy 35 no.6:  
354-356 1955.

1. Z Chir. odd. OUNZ v Martine, predn MUDr. P. Steiner.  
(AORTIC ANEURYSM, surgery,)

EXCERPTA MEDICA Sec,9 Vol.11/9 Surgery Sept 1957

4931. ŠTEINER P. and BIRINGER A. \*Včasné vstávanie po operáciách. Early postoperative ambulation LEK.OBZOR 1956, 5/11 (657-659) Tables 4

From measurements of the circulation time it is inferred that early ambulation after operation is of no significance for the prevention of thrombo-embolism.

EXCERPTA MEDICA Sec.9 Vol.11/9 Surgery Sept 1957

4815. ŠTEINER P. and SLAMEN J. Klin. Zákł. UDL, Martine. \*Výkyvy tlaku vo  
v.portae. Fluctuations in pressure in the portal vein  
ROZHL.CHIR. 1956, 35/10 (607-612) Graphs 5

Adrenaline injected into the systemic veins of the dog increases portal pressure  
even when the portal vein is simultaneously ligated at the porta hepatis. Penta-  
methonium produces a decreased portal vein pressure, even when the portal vein  
is simultaneously ligated at the hilus of the liver. Chlorpromazine has a similar  
effect as pentamethonium on portal pressure, the decrease lasting of course longer.

STEINER, P.; GALANDA, V.

Malignant hepatoma treated by right lobectomy. Cesk. pediat. 13 no.3:  
246-248 5 Apr 58.

1. Chirurgická základna Slovenskeho ustavu pro doskolovanie lekarov a  
detske oddelenie v Martine.

(HEPATOMA, in inf. & child  
malignant, surg., right lobectomy (Cz))

STEINER, P.; BIRINGER, A.

Simultaneous formation of two post-traumatic cysts of the pancreas.  
Khirurgiia 36 no.4:117-118 Ap '60. (MIRA 13:12)  
(PANCREAS—TUMORS) (CYSTS)

STEINER, Pavol

A trip to cardio-surgical clinics of Moscow and Leningrad.  
Cas.lek.cesk. 99 no.46:Lek Veda Zahr 263-264 11 N '60.

(HEART SURGERY)



- [illegible]

SLAMEN, J.; MEDLA, F.; STEINER, P.

Effect of anoxia on the level of potassium and sodium in experimental conditions. Bratisl. lek. listy 41 no.8:471-476 '61.

1. Z Chirurgickej katedry Slov. ustavu pre doskolovanie lekarov v Martine, veduci doc. MUDr. P. Steiner.

(ANOXIA exper) (POTASSIUM metab) (SODIUM metab)

STEINER, P., dr.; CHALUPA, M., dr.

Kartagener syndrome. Magy. sebesz. 16 no.1:74-76 Mr '63.

1. Szlovak Orvostovabbkepzo Intezet. Sebeszeti tanszek. Martin CSSR

Vezető: Steiner P. dr. egyetemi docens.

(KARTAGNER TRIAD)

STEINER, P

2  
CSCB

STEINER, P., BIRINGER, A.

Basic clinic of the dept. of surgery of the Slovak Institute for Graduate  
Medicine, Martin (Klinická základna chir. katedry Slov. ustavy pre dosko-  
lovanie lekárov), director: P. Steiner, MD

Bratislava, Bratislavské Lekárske Listy, No 7, 1963, pp 430-433

"Benign Oesophago-Bronchial Fistulas in Adults"

STEINER, P.; KULISEK, D.; SLAMEN, J.; BIRINGER, A.; MEDLA, F.

Experiences with surgical treatment of aortic stenosis.  
Bratisl. lek. listy 63 no.3:169-172 '63.

1. Chirurgická katedra SUDL a Kardiochirurgické stredisko  
v Martine, veduci doc. dr. P. Steiner.  
(AORTIC STENOSIS) (HEART SURGERY)  
(HEART, MECHANICAL)

CZECHOSLOVAKIA

STEINER, P., Docent Dr.

Surgical Chair SUDL (Chirurgická katedra SUDL), Bratislava

Bratislava, Lekarsky obzor, No 8, 1963, pp 449-456

"Progress in Abdominal Surgery. Part I."

CZECHOSLOVAKIA

STEINER, P., Docent Dr.

Surgical Chair SUDL (Chirurgická katedra SUDL), Martin  
Bratislava, Lekarsky obzor, No 9, 1963, pp 519-526

"Progress in Abdominal Surgery. Part II. Conclusion."

STEINER, Rudolf																									
PROCESSES AND PROPERTIES																									
<p>Electrodeposition of thin metal plates. Ernst Rado and Rudolf Steiner. Hung. 118,143, May 10, 1938. An Al disk or roll is used as cathode under continuous rotation. The c. d. is changed from time to time. The sheets are easily separable from the cathode.</p>																									
<p>AS 50 51 52 METALLURGICAL LITERATURE CLASSIFICATION</p>																									



1ST AND 2ND ORDERS										2ND AND 4TH ORDERS									
PROCESSES AND PROPERTIES INDEX																			
CA STEINER, Rudolf																			
<p>Pretreatment of bauxite. Rudolf Steiner, Hung. 139,207, Jan. 3, 1949. Bauxite ores directly from the mines are pulped by means of alkali without any previous drying. The soda formed in the alk. lyes is causticized by adding ignited lime, and again used for treating ores in a continuous process. Structural details of app. are given. István Finály</p>																			
A S N S L A METALLURGICAL LITERATURE CLASSIFICATION																			
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1ST AND 2ND ORDERS										2ND AND 4TH ORDERS									
1ST AND 2ND ORDERS										2ND AND 4TH ORDERS									

STEINEF, S.

The Lokomotiva sports club of Prerov. p.83. (Zeleznicar. Praha. No. 3, Mar. 1957.)

SO: Monthly List of East European Accessions (EEAL) LC, Vol. 6, no. 7, July 1957. Uncl.

STEINER, S.

Two days on the Vah River. p.98. (Zelesnicar. Praha. Vol. 4, Apr. 1957.)

SC: Monthly List of East European Accessions (EEAL) LC, Vol, 6, no. 7, July 1957. Uncl.

STEINER, Stjepan, pukovnik dr.

Personal observations on organization of dietetic service in  
England. Voj. san. prgl., Beogr. 11 no.11-12:690-692 Nov-Dec 54.

1. Interno odeljenje Vojne bolnice, Zagreb.

(HOSPITAL ADMINISTRATION  
food serv., in Gt.Brit.)

STEINER, S.; MARIAS, Z.

So-called primary atypical pneumonias of unknown etiology. Voj. san. progl., Beogr. 14 no.5:261-267 May 57.

1. Interno odjeljenje Vojne bolnice u Zagrebu.

(PNEUMONIA.

primary atypical of unknown etiol. correlation of clin. manifest. to agglutinations tests (Ser))

DURRIGI, T.; STEINER, S.

On the treatment of acute rheumatic fever with corticosteroids.  
Lijec. vjes., Zagreb 82 no.1:41-44 '60.  
(ADRENAL CORTEX HORMONES ther.)  
(RHEUMATIC FEVER ther.)

STEINER, Stjepan, dr..

Epidemiology of rheumatic fever. Lijec. vjes. 82 no.4:283-291 '60.

1. Iz Internog odjeljenja Vojne bolnice u Zagrebu.  
(RHEUMATIC FEVER epidemiol.)

STEINER, Stjepan, dr.

Peripheral arterial diseases. (Bedside diagnosis). Liječn.  
vjesn. 87 no.7:761-767 J1 '65.

1. Iz Internog odjeljenja Vojne bolnice u Zagrebu.



STEINER, Tamas

Automatic contrast regulation at television sets.  
Radiotechnika 10 no.1:19. Ja '60.

STEINER, Tamas

Input impedance of electronic tubes. Radiotechnika 11 no.6:167-168  
Je '61.

STEINER, Tamas; TORO, Lajosne

Germanium diodes with gold needles. Radiotechnika 12 no.4:104-105 Ap '62.

BAKONYI, Janos; STEINER, Tamas

Operation and characteristics of the vidikon-type picture  
pick-up tube. (To be contd.) Radiotekhnika 12 no.6:176-178  
Je '62.

BAKONYI, Janos; STEINER, Tamas

Operation and characteristics of the vidikon-type picture pick-  
up tube.Pt.2.(To be contd.) Radiotechnika 12 no.7:216-217  
J1 '62.

BAKONYI, Janos; STEINER, Tamas

Function and characteristics of the vidikon-type picture pickup tube.  
Pt.3. (Conclusion) Radiotechnika 12 no.8:259 '62.

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*ca*  
The disappearance of sulfur in pig iron. Josef Bulina and Vaclav Stihl, *Československý metalurg*, 29, 6 (1935). Iron on its way from the blast furnace to the separate furnace was analyzed for C, P, Mn, Si and S in 60 separate tappings. After the Fe left the blast furnace, the S fell progressively and reached a maximum desulfuration of 40-60%

at the end of 60 min. In the same time interval the temp. dropped 100°. In the following 60 min., the S content of the iron increased about 10%, but afterward (120 min. after the tapping) the S content diminished progressively and attained a value of 40% of the original content at the expiration of another 60 min. In the ladle the S content was lowest at the bottom and increased proportionally toward the surface. The desulfuration is accomplished by the formation of an emulsion of a MnS which floats to the surface and concentrates in the crust. In contact with sand, blast-furnace slag, and FeO some of the MnS decomposed. When the iron was caught directly from the blast furnace in a bed of SiO<sub>2</sub> sand mixed with FeO, the S content in the crust was higher than in the iron leaving the blast furnace; the Mn sulfide reacted with an iron oxide to form an Fe sulfide which began to redissolve in the Fe. This reaction predominates (60-120 min. after the iron leaves the blast furnace and is responsible for the 10% increase in S observed previously. When the iron passed from the blast furnace into a bed of sand and CaO, the most complete S removal was accomplished; the Ca silicates absorbed the Mn sulfides and prevented the return of the S into the iron. SiO<sub>2</sub> was necessary for this process, for beds of CaO alone were not at all effective in this respect.  
Frank Maresh

CA

THE DIRECT PRODUCTION OF STEEL FROM ORES

The direct production of steel from ores. Valay, S. Chem. Ind. 31, 387 S, 1952, 1953. S. presents heat computations for the reactions occurring during the production of steel from ores in 4 furnaces. For a metric ton of steel  $4.4 \times 10^9$  kg. cal. is required in a Thomas furnace,  $5.0 \times 10^9$  kg. cal. in a Martin furnace,  $0.00 \times 10^9$  kg. cal. in the Norsk Staal Martin furnace, and  $0.13 \times 10^9$  kg. cal. in a Krupp type of a furnace. Although the process is beyond the lab. stage, it has not become a regular unit of metallurgical operations but forces itself upon many industrial plants because local costs and operations are more favorable to it than to any other process. In Czechoslovakia the cost of fuel for producing a ton of steel in the Thomas furnace was computed to be 111.10 Kč, in the Krupp style oven 115.80 Kč, in the Martin oven 117.07 Kč, and in the Norsk Staal oven 174.05 Kč.

Frank Marsh

ASB-114 METALLURGICAL LITERATURE CLASSIFICATION



Steiner, V. ..

Tasks of the blast-furnace industry in the next year. p. 353.  
Topical plan of the periodical Hutnik for 1955. p. 354. HUTNIK:  
(Ministerstvo hutního průmyslu a rudných dolů) Praha. Vol. 4,  
no. 12, Dec. 1954.

Source: EFAL LC Vol. 5, No. 10 Oct. 1956

Steiner, V.

First anniversary of the National Congress of Blast Furnace Workers. p. 129.

Vol. 10, no. 3, Mar. 1955.

HUTNICKE LISTY

SO: Monthly List of East European Accession, (EEAL), LC, Vol. 4, No. 9,  
Sept. 1955, Uncl.

STEINER, V.

Improving the technical education of metallurgic workers. p. 193.  
HUTNICKÉ LISTY, Brno, Vol. 10, no. 4, Apr. 1955.

SO: Monthly List of East European Accessions, (NEAL), 10, Vol. 4, no. 10, Oct. 1955,  
Uncl.

STEINER, V.

TECHNOLOGY

Periodical HUTNICKI LISTY. Vol. 10, no. 11, Nov. 1955.

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Author : Cotaescu, I., Steiner, B., Ighailescu, M., Schorscher, E.,  
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Orig Pub : Studii si cercetari stiint. Acad. RPR, Baza Timisoara,  
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(I), possessing hypertensive action, was studied on iso-  
lated organs (frog's heart, small intestine of rabbit, spe-  
cimen of Lewen-Trendelenburg), on narcotized and nonnarcot-  
ized dogs. In comparison with acetylcholine, I possesses  
a more prolonged but weaker action; atropinization and  
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1. Clinic of Plastic Surgery, Medical Faculty, Comenius Uni-  
versity, Bratislava (Czechoslovakia) Director: Doc. S. Demjen,  
M.D.

(HARELIP) (CLEFT PALATE)  
(ANESTHESIA, INTRATRACHEAL)  
(PREANESTHETIC MEDICATION)  
(SURGERY, PLASTIC)

C. A. STEINERT, Gyula

115

The active substances of the antigens in syphilis tests.  
Gizella Berger and Gyula Steinert. *Orvosi Hetilap* 90,  
21-5(1949).—Cattle heart is extd. with ether, and the  
antigen obtained has specific effects when tested according  
to Meinicke. If the ether ext. and EtOH ext. of cattle  
heart are, united and pptd. with acetone and the formed  
ppt. sepd. and dissolved in warm EtOH, a ppt. results after  
cooling. This consists chiefly of cephalin. Refined phos-  
phatide prepd. from cattle heart is dissolved in EtOH, then  
satd. alc.  $\text{CdCl}_2$  is added. Cd lecithin and Cd cephalin are  
pptd. and the latter can be sepd. by washing out with ether.  
The phosphatide reaction is not dependent on the amt. of  
Cd cephalin as is the case in the Meinicke test and seems to  
be a very sensitive Wassermann antigen. Good results  
were obtained even with 0.006 mg. cephalin/cc. Heart  
ext. used as Wassermann antigen can be deactivated by  
adsorption on  $\text{Al}(\text{OH})_3$ ; the active substance can be eluted.  
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the reaction and acts somewhat as an indicator of the  
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J. Dieudonné (Nancy).

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Sm.  
off.

Source: Mathematical Reviews.

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(ANGIOKERATOMA) (SCALP) (FACIAL NEOPLASMS)

YUGOSLAVIA

Dr Petar MILUTINOVIC, magister Sonia STEINFL, Dr Vladimir BOSNJAKOVIC,  
Dr Olivera CIRIC and Gligorije NOVICIC [same affiliation as above.]

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Belgrade, Medicinski Glasnik, Vol 17, No 3-4, Mar-Apr 63; pp 116-120.

Abstract [English summary modified]: Tests in 137 euthyroid (including  
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given in detail. Test is considered useful complement to currently  
accessible diagnostic methods. Four tables, 3 graphs; 4 Western and 1  
Yugoslav (meeting) references.

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"Acta Chimica Acad Sci Hungaricae" Vol 1, No 1, pp 94-102 - 1951

Compared activity of  $\text{Cr}_2\text{O}_3$ ,  $\text{MoO}_3$ , and  $\text{WO}_3$  catalysts on  $\text{Al}_2\text{O}_3$  carrier. Setd "satn point," beyond which catalyst activity is not increased by increased concn. Catalyst surface on same carrier decreased in order:  $\text{MoO}_3$ ,  $\text{Cr}_2\text{O}_3$  is 6.5 per cent,  $\text{WO}_3$  25 per cent less active than  $\text{MoO}_3$ .

181T22

STEINGASZNER P.

1951

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"Data on the Arrangement of the Active Centers of Chromia-Alumina Catalysts,"  
in English, J. Varga, G. Rabo, P. Steingaszner, Inst Chem Tech, U Tech Sci,  
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Conducted espts to prove that cluster arrangement of Cr-Al catalysts, whose  
surface decreases with increasing  $\text{Cr}_2\text{O}_3$  content, depends on chem character of  
catalyst and carrier. Surface decrease with increasing concn of  $\text{Cr}_2\text{O}_3$  made  
from chromic acid and from ammonium chromate was the same, showing that  
clusters form during drying, ignition, or subsequent reduction, independently  
of initial material. Detd size of clusters incatalysts, which behave similarly.

181T24

5  
Treatment of hard asphalt-containing oils, Nagynyomású Kísérleti Intézet (József Varga, Gyula Rabo, András Zalai, and Pál Steingaszner, inventors). Ger. (East) 14,805, June 9, 1968 (Cl. 236, 1<sub>st</sub>). Lignite low-temp. tars, coal tars, hard asphalt-contg. crude oils, or other hard asphalt-contg. oils are mixed with addnl. hydrocarbons in such a ratio that the components boiling up to 350° amount to 30-80% of the mixt. The mixt. is then treated with H<sub>2</sub> at 425° and 10-70 atm., fluidized catalysts of weak hydrogenation effect being used. Under these reaction conditions, the addnl. oils must be present mainly in the gas phase; their amt. depends on the asphalt, H<sub>2</sub>, and high- or medium-boiling oil content of the starting material and on the degree of hard asphalt decompn. The catalysts used are natural or artificial silicates, Al<sub>2</sub>O<sub>3</sub>, and especially powd. charcoal or coke activated with Fe<sub>2</sub>O<sub>3</sub>. The reaction product may pass through 2 or more reactors. Thus, 100 kg. crude oil of d<sub>4</sub> 0.924, contg. 20.5% by wt. hydrocarbons boiling up to 325°, 8.6% S, and 14.4% hard asphalt was mixed with 100 kg. oils, b. 187-295°, d<sub>4</sub> 0.815. The mixt. was introduced into a tube reactor with 2 cu. m. gas contg. 70% H<sub>2</sub> and 4 g. charcoal-Fe<sub>2</sub>O<sub>3</sub> catalyst and heated to 440°. The pressure was 70 atm.; the space velocity 0.6 kg./l./hr., referred to the vol. of a 2nd reactor which is connected to the 1st one. The reaction product was continuously removed, cooled, and a ppt. recovered and worked up in the usual manner. After sepn. of 100 kg. addnl. oils, 90 kg. product was obtained, 70 kg. b. up to 350° and 20 kg. b. >350°. Nearly 90% of the hard asphalt and 60% of the total S were converted. K. Schneider

STEINGASZNER, Paul

Reaction Processes in Catalytic Reforming Using a  
Special Pt Catalyst, Parts I and II," by Richard BIRTHIER of the  
Otto Grotewohl Combine People-Owned Enterprise in Bochlen  
and Paul Steingaszner, of the High Pressure Research Institute  
pp. 412 - 423  
Chemische Technik, Vol. 13 No. 7-8 (July - August ) 1961

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